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L9 and terephthalic acid.ti.	15

Database:

US Pre-Grant Publication Full-Text Database
 US Patents Full-Text Database
 US OCR Full-Text Database
 EPO Abstracts Database
 JPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

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L10

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result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L10</u>	L9 and terephthalic acid.ti.	15	<u>L10</u>
<u>L9</u>	L8 and hydrogen	45	<u>L9</u>
<u>L8</u>	L7 and catalyst and oxid\$6	49	<u>L8</u>
<u>L7</u>	L6 and separ\$6	52	<u>L7</u>
<u>L6</u>	L5 and 562/\$	53	<u>L6</u>
<u>L5</u>	L4 and (carboxybenzaldehyde or trimellitic acid or fluorenenone)	144	<u>L5</u>
<u>L4</u>	L3 and impurit\$5	464	<u>L4</u>
<u>L3</u>	L2 and (filter or centrifuge)	1409	<u>L3</u>
<u>L2</u>	terephthalic acid and slurry and b and color	2706	<u>L2</u>

DB=PGPB; PLUR=YES; OP=ADJ

<u>L1</u>	20040110981	1	<u>L1</u>
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L10: Entry 1 of 15

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110981

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040110981 A1

TITLE: Process for the oxidative purification of terephthalic acid

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sheppard, Ronald Buford	Voorburg	TN	NL	
Tennant, Brent Alan	Kingsport	TN	US	
Woodruff, Thomas Earl	Kingsport	TN	US	
Lin, Robert	Kingsport		US	

US-CL-CURRENT: 562/486; 562/606

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw De
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☐ 2. Document ID: US 20040110980 A1

L10: Entry 2 of 15

File: PGPB

Jun 10, 2004

PGPUB-DOCUMENT-NUMBER: 20040110980

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040110980 A1

TITLE: Process for the oxidative purification of terephthalic acid

PUBLICATION-DATE: June 10, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Sheppard, Ronald Buford	Voorburg	TN	NL	
Tennant, Brent Alan	Kingsport	TN	US	
Woodruff, Thomas Earl	Kingsport	TN	US	
Lin, Robert	Kingsport		US	

US-CL-CURRENT: 562/413; 562/486

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 3. Document ID: US 6307099 B1

L10: Entry 3 of 15

File: USPT

Oct 23, 2001

US-PAT-NO: 6307099

DOCUMENT-IDENTIFIER: US 6307099 B1

TITLE: Production of terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 4. Document ID: US 6150553 A

L10: Entry 4 of 15

File: USPT

Nov 21, 2000

US-PAT-NO: 6150553

DOCUMENT-IDENTIFIER: US 6150553 A

TITLE: Method for recovering methyl acetate and residual acetic acid in the production acid of pure terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 5. Document ID: US 6143926 A

L10: Entry 5 of 15

File: USPT

Nov 7, 2000

US-PAT-NO: 6143926

DOCUMENT-IDENTIFIER: US 6143926 A

TITLE: Process for producing pure terephthalic acid with improved recovery of precursors, solvent and methyl acetate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 6. Document ID: US 5973196 A

L10: Entry 6 of 15

File: USPT

Oct 26, 1999

US-PAT-NO: 5973196

DOCUMENT-IDENTIFIER: US 5973196 A

TITLE: Process for producing purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
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☐ 7. Document ID: US RE36008 E

L10: Entry 7 of 15

File: USPT

Dec 22, 1998

US-PAT-NO: RE36008

DOCUMENT-IDENTIFIER: US RE36008 E

TITLE: Process for the production of terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 8. Document ID: US 5567842 A

L10: Entry 8 of 15

File: USPT

Oct 22, 1996

US-PAT-NO: 5567842

DOCUMENT-IDENTIFIER: US 5567842 A

**** See image for Certificate of Correction ****TITLE: Process for producing terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 9. Document ID: US 5413681 A

L10: Entry 9 of 15

File: USPT

May 9, 1995

US-PAT-NO: 5413681

DOCUMENT-IDENTIFIER: US 5413681 A

TITLE: Process for the recovery of terephthalic acid and ethylene glycol from poly (ethylene terephthalate)

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 10. Document ID: US 5304676 A

L10: Entry 10 of 15

File: USPT

Apr 19, 1994

US-PAT-NO: 5304676

DOCUMENT-IDENTIFIER: US 5304676 A

TITLE: Process for the production of terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMC	Draw D
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☐ 11. Document ID: US 5200557 A

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L10: Entry 11 of 15

File: USPT

Apr 6, 1993

US-PAT-NO: 5200557

DOCUMENT-IDENTIFIER: US 5200557 A

TITLE: Process for preparation of crude terephthalic acid suitable for reduction to prepare purified terephthalic acid

DATE-ISSUED: April 6, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gee; John C.	Aurora	IL		
Rosenfeld; Jeffrey I.	Schaumburg	IL		
Bartos; Thomas M.	Wheaton	IL		

US-CL-CURRENT: 562/486; 562/414, 562/487, 562/608

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Ds
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☐ 12. Document ID: US 5175355 A

L10: Entry 12 of 15

File: USPT

Dec 29, 1992

US-PAT-NO: 5175355

DOCUMENT-IDENTIFIER: US 5175355 A

**** See image for Certificate of Correction ****TITLE: Improved process for recovery of purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Ds
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☐ 13. Document ID: US 4675438 A

L10: Entry 13 of 15

File: USPT

Jun 23, 1987

US-PAT-NO: 4675438

DOCUMENT-IDENTIFIER: US 4675438 A

**** See image for Certificate of Correction ****

TITLE: Direct continuous flow integration of production and purification of high purity iso- or terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 14. Document ID: US 4201871 A

L10: Entry 14 of 15

File: USPT

May 6, 1980

US-PAT-NO: 4201871

DOCUMENT-IDENTIFIER: US 4201871 A

TITLE: Process for recovering terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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☐ 15. Document ID: US 4158738 A

L10: Entry 15 of 15

File: USPT

Jun 19, 1979

US-PAT-NO: 4158738

DOCUMENT-IDENTIFIER: US 4158738 A

**** See image for Certificate of Correction ****

TITLE: Process for the production of fiber-grade terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw De
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